09/463817

PCT/EP00/06946 09.08.00

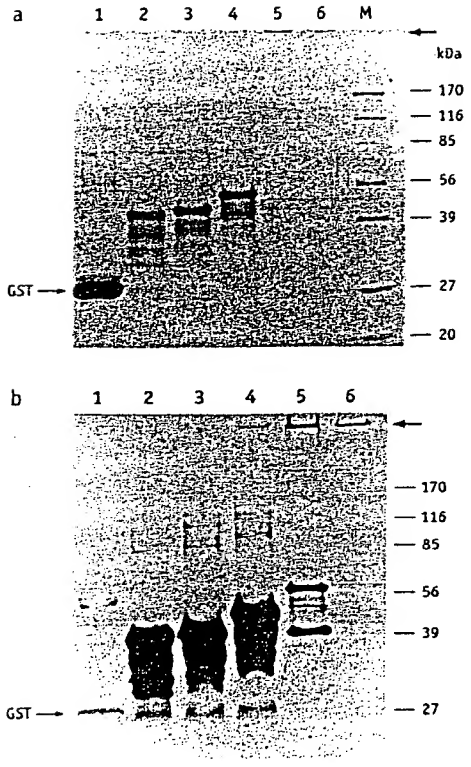

Figure 1
1/12

Xa
T T T T T T T
GST -IEGRGIR MATLEKLMKAFESLKSF[Q]$_n$[P]$_{11}$QLPQPPPQAQPLLPQPQ[P]$_{10}$GPAVAEEPLHRP SEQ ID NO:

Fig. 2

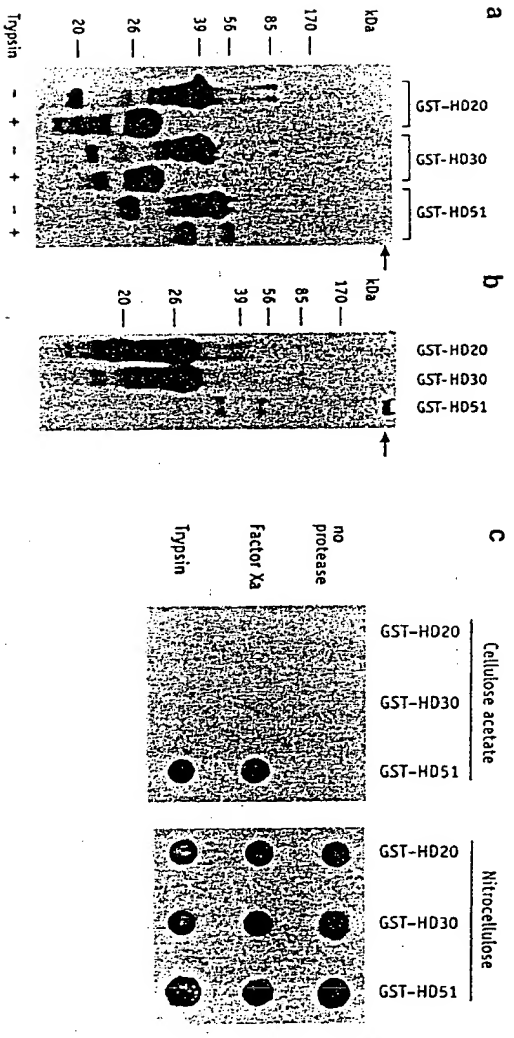
a
kDa
170
85
56
39
26
20
Trypsin
- + - + - +
GST-HD20
GST-HD30
GST-HD51
b
kDa
170
85
56
39
26
20
GST-HD20
GST-HD30
GST-HD51
c
Trypsin
Factor Xa
no protease
GST-HD20
GST-HD30
GST-HD51
Cellulose acetate
GST-HD20
GST-HD30
GST-HD51
Nitrocellulose

Figure 3
3/12

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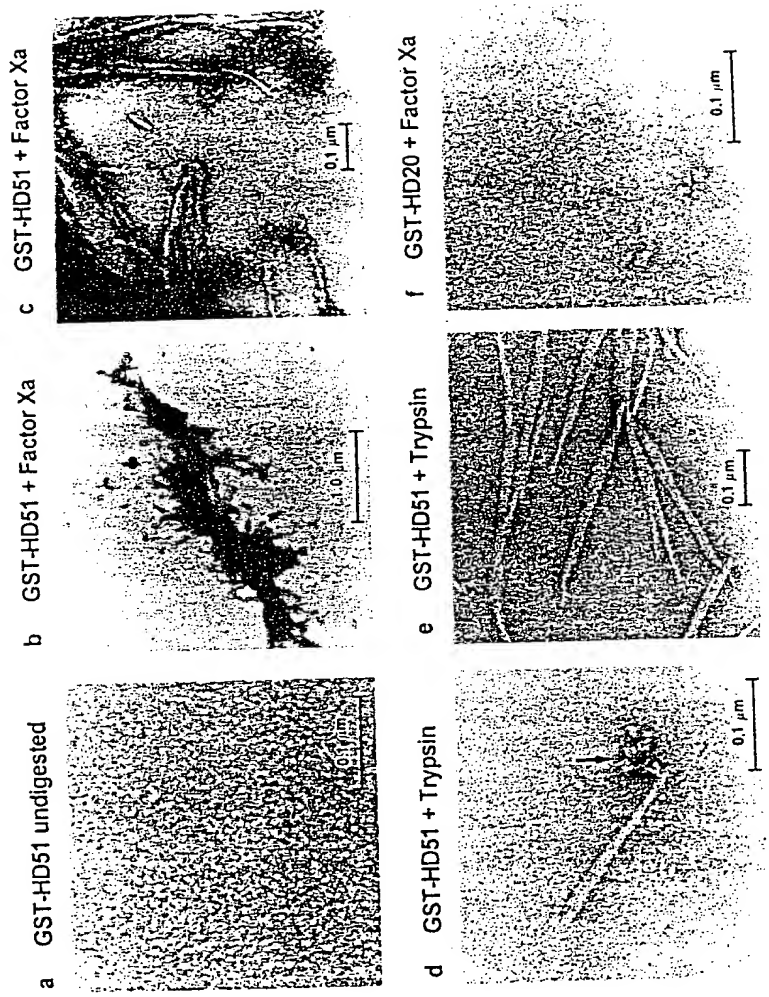

Figure 4
4/12

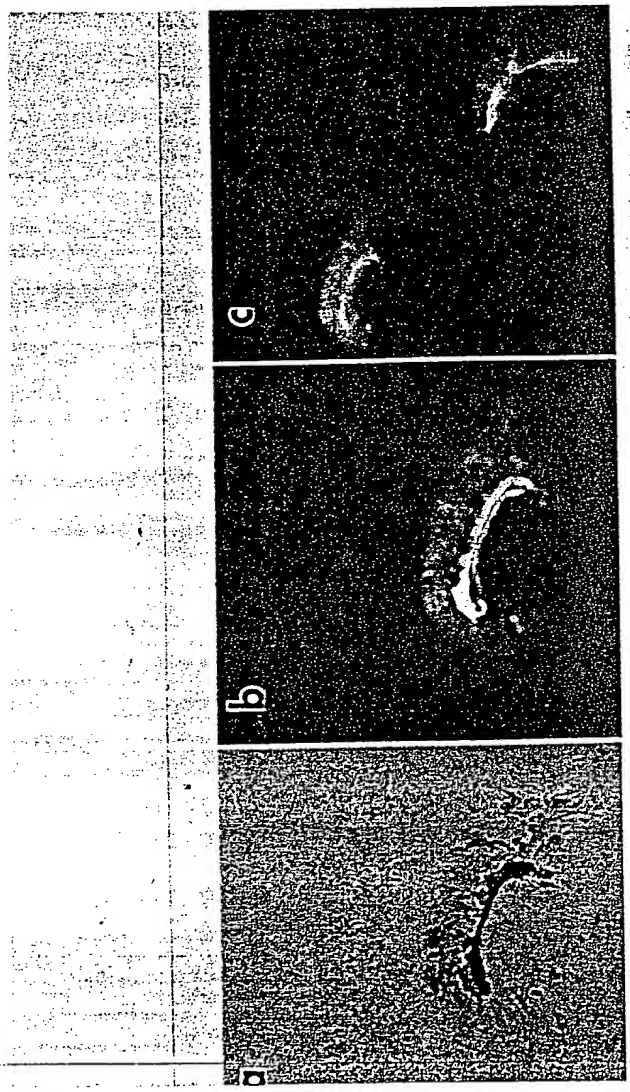

Figure 5
5/12

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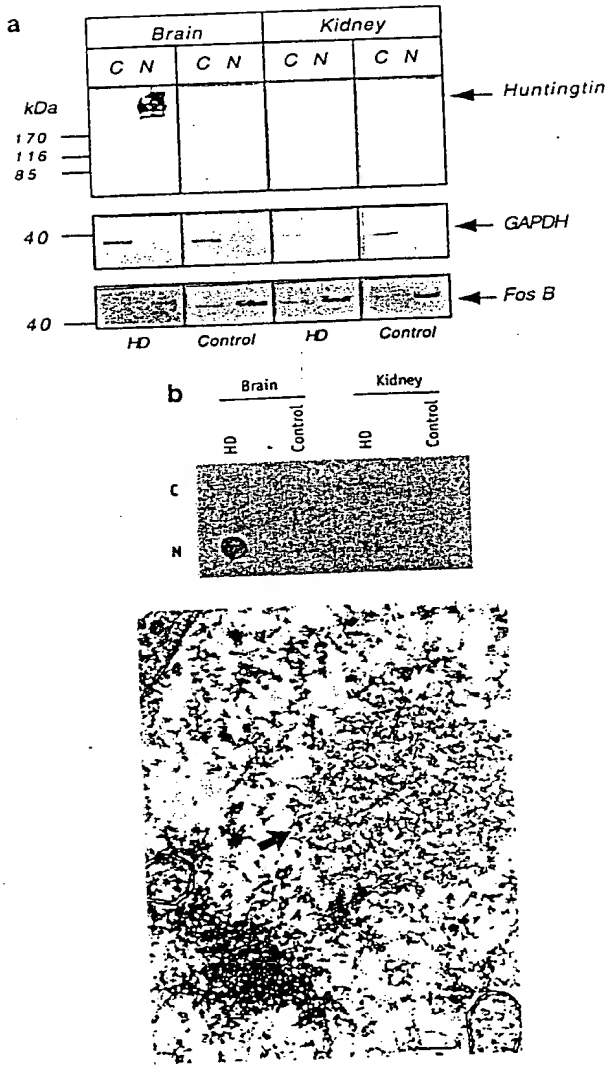

Figure 6

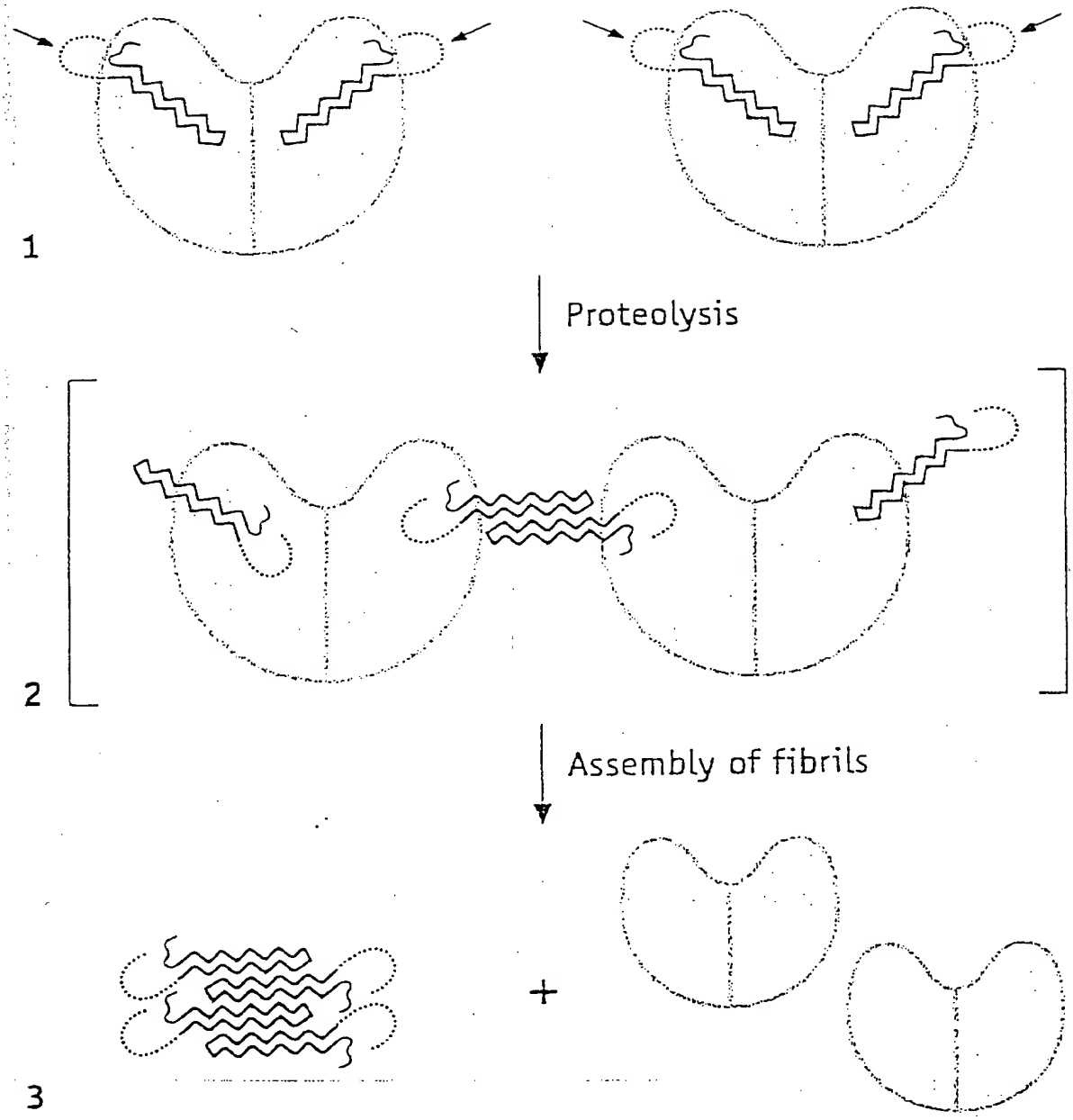

Fig. 7

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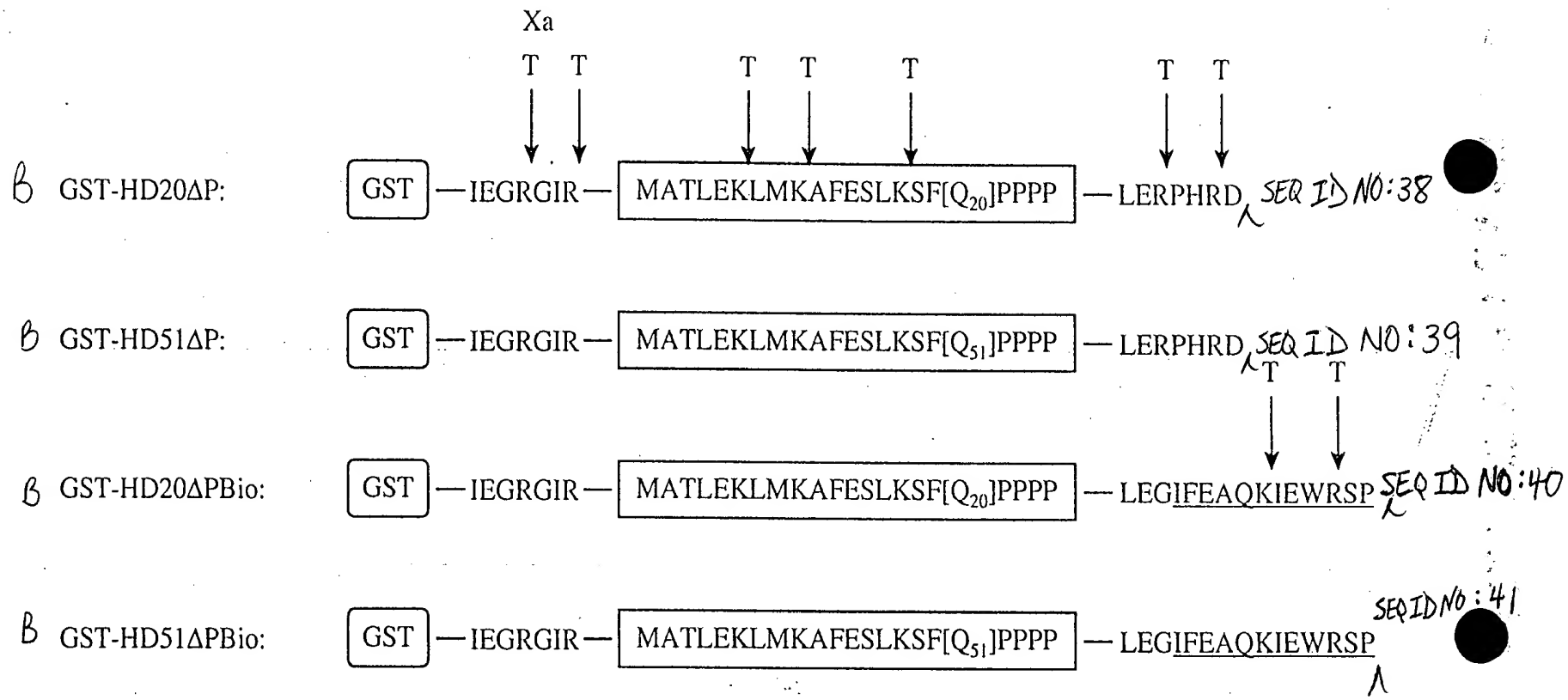

Figure 8

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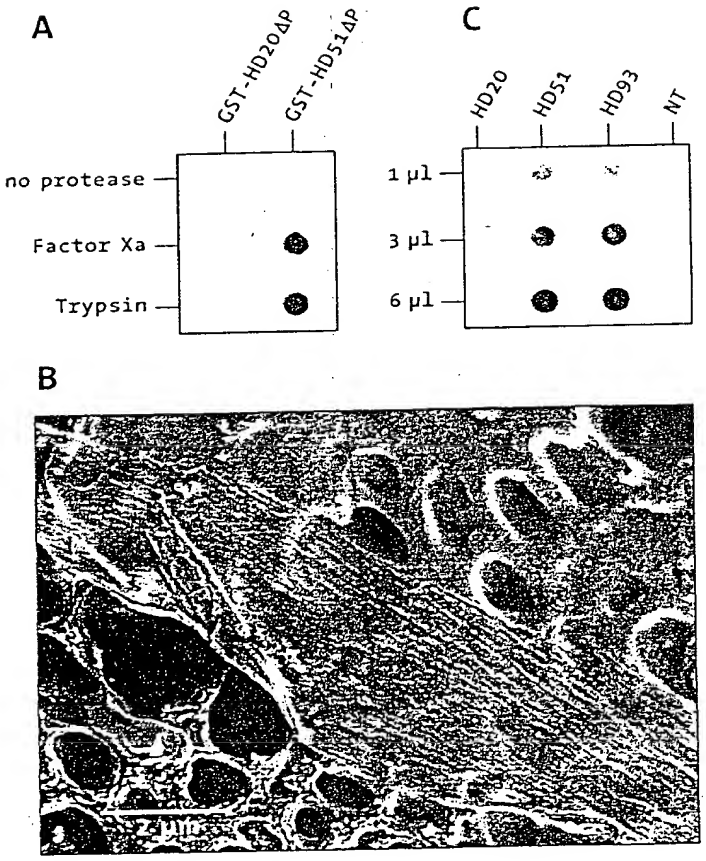
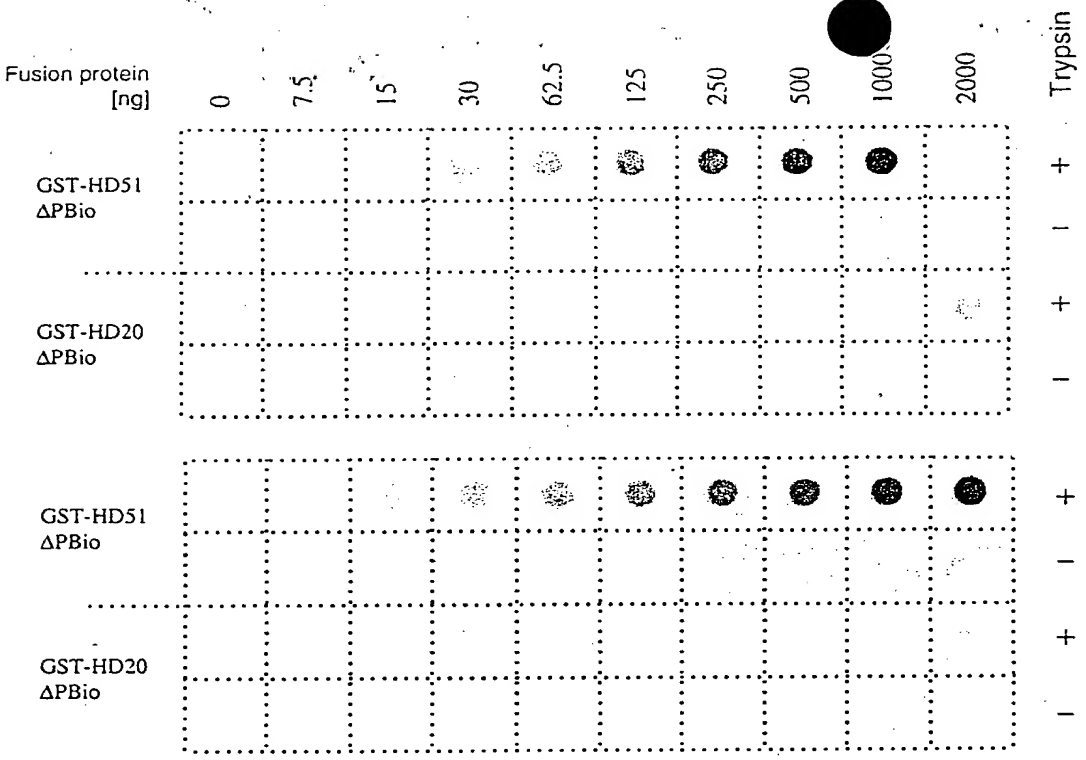


Figure 9

A


Fusion protein [ng]
0
7.5
15
30
62.5
125
250
500
1000
2000
Trypsin
GST-HD51 ΔPBio
GST-HD20 ΔPBio
GST-HD51 ΔPBio
GST-HD20 ΔPBio
+
-
+
-
+
-
+
-

B

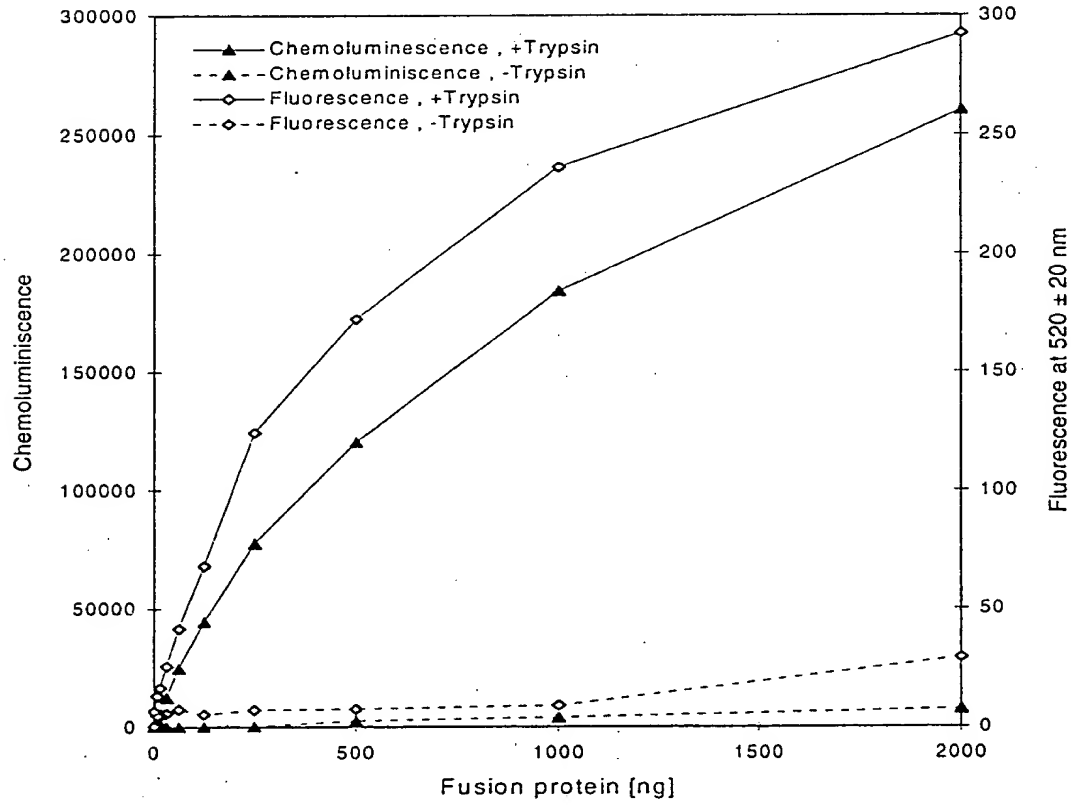
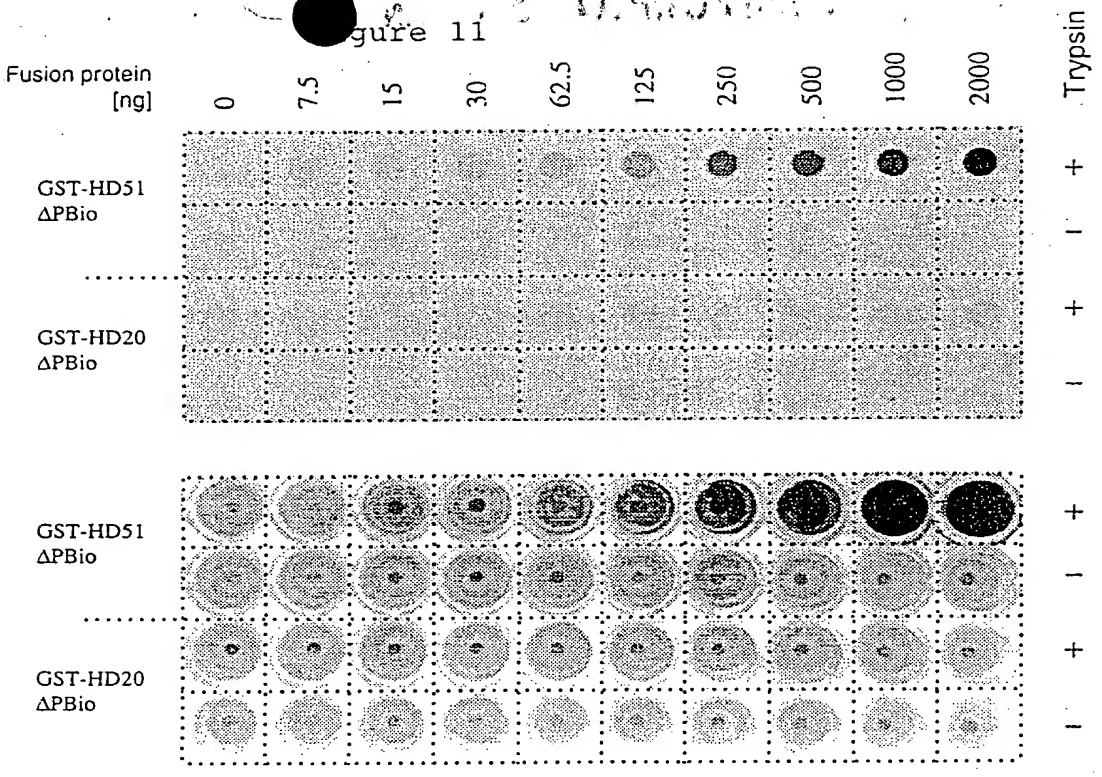

Chemoluminescence , +Trypsin
Chemoluminiscence , -Trypsin
Fluorescence , +Trypsin
Fluorescence , -Trypsin
Chemoluminiscence
Fluorescence at 520 ± 20 nm
Fusion protein [ng]
300000
250000
200000
150000
100000
50000
0
300
250
200
150
100
50
0
0
500
1000
1500
2000

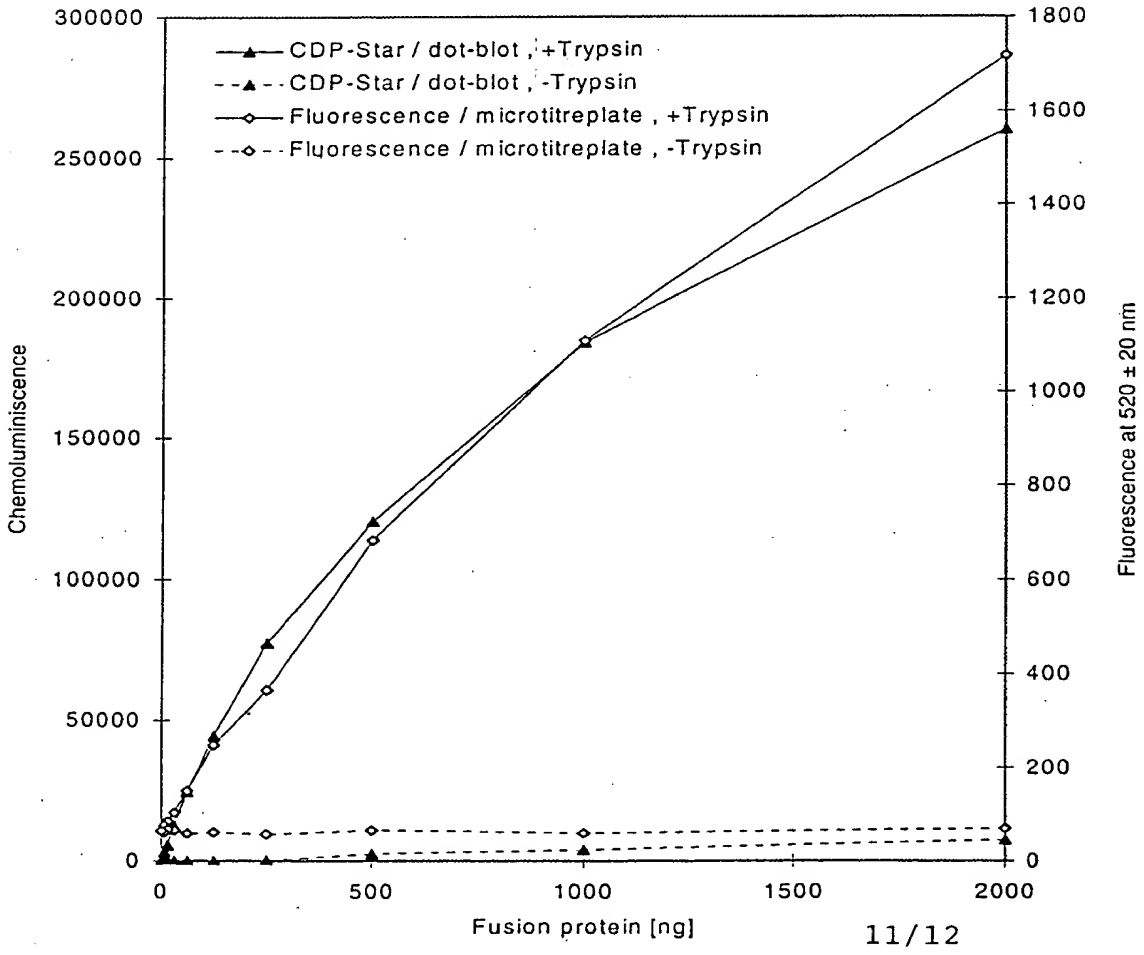
Figure 10

Figure 11

A


Fusion protein [ng]
0
7.5
15
30
62.5
125
250
500
1000
2000
Trypsin
GST-HD51 ΔPBio
GST-HD20 ΔPBio
GST-HD51 ΔPBio
GST-HD20 ΔPBio
+
-
+
-
+
-
+
-

B


CDP-Star / dot-blot , +Trypsin
CDP-Star / dot-blot , -Trypsin
Fluorescence / microtitreplate , +Trypsin
Fluorescence / microtitreplate , -Trypsin
Chemoluminiscence
Fluorescence at 520 ± 20 nm
Fusion protein [ng]
300000
250000
200000
150000
100000
50000
0
1800
1600
1400
1200
1000
800
600
400
200
0
0
500
1000
1500
2000

09/463874

514 Rec'd PCT/PTO 31 2000

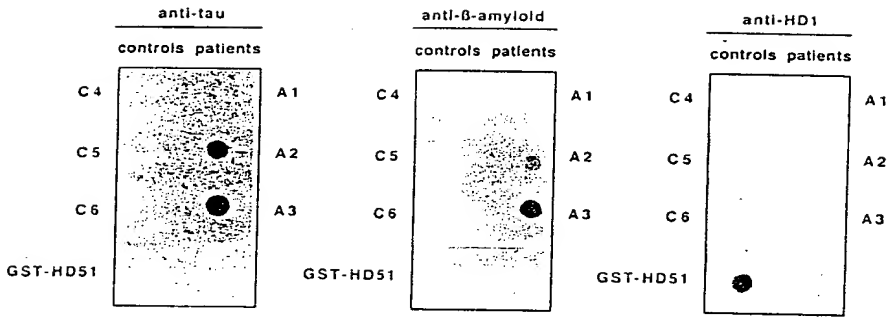


Figure 12